

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

AAC Alida VB Canada Western Red Spring Wheat



Progress Through Research
Le progrès grâce à la recherche



Description:

AAC Alida VB is a high yielding semi-dwarf CWRS with very good lodging and sprouting tolerance, plus it is moderately resistant to FHB. AAC Alida VB is also tolerant to the orange wheat blossom midge. AAC Alida VB is well-adapted to the wheat growing regions across the western Canadian Prairies.

Certified seed of AAC Alida VB will be sold as a varietal blend made up of 90% AAC Alida and 10% AAC Brandon. Blending with the midge susceptible variety AAC Brandon provides a refuge area for non-virulent midge to survive at low levels, thereby extending the useful life of the *Sm1* midge tolerant gene.

Parentage: Carberry/99B61-AY30B5

Strengths:

- 104% of the grain yield of AC[®] Carberry
- Semi-dwarf 5cm taller than AC[®] Carberry
- Very good lodging tolerance similar to AC[®] Carberry
- Very good sprouting tolerance
- Moderately resistant to FHB, low DON accumulation
- Resistant to leaf rust, stem rust and loose smut
- Moderately resistant to stripe rust

Neutral Traits:

- Grain protein potential similar to AC[®] Carberry
- Maturity similar to AC[®] Carberry
- Intermediate resistance to common bunt

Weakness:

- Moderately susceptible to leaf spot

Breeder:

Dr. Richard Cuthbert
Swift Current Research and Development Centre
Agriculture and Agri-Food Canada
Swift Current, SK

PBR 91 Protected

2013-2016 Central Bread Wheat Cooperative Trials - Registration Data

Variety	Yield (% AC Carberry)	Maturity (days)	Lodging 1 = erect 9 = flat	Height (cm)	Test Weight (kg/hl)	Kernel Weight (mg/kernel)	Grain Protein (%)	FHB Resistance Rating
AC [®] Carberry	100	101	1.6	85	79.8	35.6	14.5	MR
AC [®] Unity VB	105	97.7	3.7	99	80.1	34.5	14.1	I
AAC Viewfield	106	101	1.6	80	80.9	33.7	14.4	I
Glenn	99	100.5	2.0	93	82.6	34.4	14.3	I
AAC Alida VB	104	100.5	1.7	91	80.0	36.7	14.6	MR

VB = varietal blend R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible

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For more information, call 1-800-665-7333 or visit www.secan.com

2022 Seed Manitoba - Wheat Comparison

Variety	Site Years Tested	Yield bu/ac	Protein %	Maturity +/- 99 days	Height +/- 81cm	Spike Awned	Resistance to:								
							Lodging	Sprouting	Loose Smut	Common Bunt	Leaf Spot	Stem Rust	Leaf Rust	Stripe Rust	FHB
AAC Brandon	85	71	14.4	2	0	Y	VG	P	MR	S	I	R	R	MR	MR
AAC Redstar	31	69	14.4	0	6	Y	VG	---	---	MR	---	R	MR	MR	MR
AAC Starbuck VB	34	74	14.6	1	1	Y	G	F	MR	S	S	I	MR	MR	MR
AAC Tisdale	32	69	15.2	1	8	Y	G	F	MR	MR	MS	R	R	S	MR
AAC Wheatland VB	33	74	14.4	1	0	Y	VG	G	R	MR	S	R	R	I	I
CDC SKRush	31	73	14.6	2	4	Y	VG	---	---	I	---	MR	R	MR	MR
AAC Alida VB	33	69	14.7	2	6	Y	VG	VG	R	I	MS	R	R	MR	MR

Lodging Ratings: F=Fair; G=Good; VG=Very Good

Disease Ratings: R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible

2022 Varieties of Grain Crops for Saskatchewan – Wheat Comparison

Variety	Years Tested	Yield as % AAC Brandon			Protein	Resistance to:								Awns	Stem Solid-ness	Relative Maturity (days)	Seed Weight (mg)	Test Weight (kg/hi)	Height (cm)	
		Area 1 & 2	Area 3 & 4	Irrigation		Lodging	Sprouting	Stem Rust	Leaf Rust	Stripe Rust	Loose Smut	Bunt	Leaf Spot							FHB
AAC Brandon	6	100	100	100	14.3	G	P	R	R	MR	MR	S	I	MR	Y	H	101	35.9	80.5	81
AAC Redstar	2	89	102	---	-0.2	F	G	R	MR	MR	---	MR	---	MR	Y	H	-2	-0.1	-1.3	+7
AAC Starbuck VB	4	104	106	---	-0.1	F	F	I	MR	MR	MR	S	MR	Y	H	0	+0.3	+0.3	+3	
AAC Tisdale	5	95	98	---	+0.9	F	F	R	R	S	MR	MR	MS	MR	Y	H	-2	+0.4	-0.6	+8
AAC Wheatland VB	4	104	104	---	-0.2	VG	G	R	R	I	R	MR	S	I	Y	H	0	-0.3	+0.1	+2
AC® Carberry	6	94	94	92	+0.3	VG	F	MR	R	MR	MR	R	MS	MR	Y	H	0	-0.3	-0.2	0
CDC SKRush	3	100	103	---	-0.1	G	P	MR	R	MR	---	I	---	MR	Y	H	-1	-3.3	-1.0	+7
Ellerslie	3	93	95	---	0.0	VG	F	R	MR	R	---	S	---	I	N	H	-2	-3.2	-2.7	+7
AAC Alida VB	5	98	98	91	+0.2	VG	VG	R	R	MR	R	I	MS	MR	Y	H	0	+1.3	+0.2	+7

G=Good; VG=Very Good; F=Fair; P=Poor; VP=Very Poor

2022 Alberta Seed Guide - CWRs Wheat Comparison

Variety	Overall Yield		Yield Category (% AAC Brandon)		Maturity Rating (Days +/- AAC Brandon)	Protein %	Test Weight (lb/bu)	Kernel Weight g/1000	Height (cm)	Awns (Y/N)	Resistance to:		Disease Tolerance:		
	Station years of testing	Overall yield	Low <77 bu/ac	High >77 bu/ac							Lodging	Sprouting	Bunt	Stripe Rust	FHB
AAC Brandon (bu/ac)		75	60	96											
AAC Brandon - check	74	100	100	100	104	14.0	63	40	84	Y	G	P	S	MR	MR
AAC Redstar	18	96	92	103	-3	0.1	63	40	90	Y	F	G	MR	MR	MR
AAC Starbuck VB	36	103	104	102	0	-0.2	63	39	87	Y	F	F	S	MR	MR
AAC Tisdale	37	94	94	94	-1	+0.6	63	42	93	Y	F	F	MR	S	MR
AAC Wheatland VB	36	104	104	104	0	-0.5	63	40	86	Y	VG	G	MR	I	I
AC® Carberry	45	93	93	93	0	0.0	63	39	84	Y	VG	F	R	MR	MR
CDC SKRush	18	101	97	109	0	-0.2	63	37	94	Y	G	P	I	MR	MR
Ellerslie	31	98	94	103	-1	-0.3	62	37	90	N	VG	G	S	R	I
Parata	37	87	86	88	-4	+0.2	63	39	94	Y	F	F	S	MR	I
AAC Alida VB	37	94	97	93	0	-0.2	63	41	91	Y	G	VG	I	MR	MR

VG = Very Good; G = Good; F = Fair; P = Poor; VP = Very Poor; Disease Ratings: R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible

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